

A5  
in the range of about 1500°F to about 1600°F for a first preselected period, about one hour, followed by a heat treatment in the range of about 1400°F to about 1525°F for a second preselected period, about sixteen hours, followed by a heat treatment in the range of about 1100°F to about 1200°F for a third preselected period, about eight hours. In a more preferred embodiment, in order to relieve welding stress and to age the article, the article should be heat treated at about 1550°F ± 25°F for about one hour, followed by a heat treatment at about 1475°F ± 25°F for about sixteen hours, followed by a heat treatment at about 1150°F ± 25°F for about eight hours.

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A6  
[0023] After the cast Inconel 718 component has been solutioned within the temperature range of about 1950°F to about 2150°F and the initial wrought portion has been machined away, a new wrought component can then be attached to the casting. When the article is a cast Inconel 718 component welded to a wrought Inconel 909 component, after the components are welded together, in order to relieve weld stresses and to age the article, the article should be heat treated in the range of about 1500°F to about 1600°F for a first preselected time period, about one hour, followed by a heat treatment in the range of about 1350°F to about 1450°F for a second preselected time period, about eight hours, followed by a heat treatment in the range of about 1100°F to about 1225°F for a third preselected time period, about four hours. The third preselected time period may be reduced to one hour, if desired when the temperature is at the upper end of the range, that is at about 1200°F ± 25°F for about one hour.

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A7  
[0024] After the cast Inconel 718 component has been solutioned within the temperature range of about 1950°F to about 2150°F and the initial wrought portion has been machined away, a new wrought component can then be attached to the casting. When the article is a cast Inconel 718 component welded to a wrought Inconel 903 component, after the components are welded together, in order to relieve weld stresses and to age the article, the article should be heat treated in the range of about 1500°F to about 1600°F for a first preselected period, about one hour, followed by a heat treatment in the range of about 1250°F to about 1350°F for a second preselected period, about eight hours, followed by a heat treatment in the range of about 1100°F to about 1200°F and holding for a third preselected period so as to develop  $\gamma'$  and  $\gamma''$  while also relieving welding stresses. In one embodiment, the third preselected period may be eight hours.

In a more preferred embodiment, in order to relieve welding stress and to age the article, the article should be heat treated at about  $1550^{\circ}\text{F} \pm 25^{\circ}\text{F}$  for about one hour, followed by a heat treatment at about  $1325^{\circ}\text{F} \pm 25^{\circ}\text{F}$  for about eight hours, followed by a heat treatment at about  $1200^{\circ}\text{F} \pm 25^{\circ}\text{F}$  for about one hour.

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As [0025] After the cast Inconel 718 component has been solutioned within the temperature range of about  $1950^{\circ}\text{F}$  to about  $2150^{\circ}\text{F}$  and the initial wrought portion has been machined away, a new wrought compound can then be attached to the casting. When the article is a cast Inconel 718 component welded to a wrought Inconel 718 component, after the components are welded together, in order to relieve weld stresses and to age the article, the article should be heat treated in the range of about  $1500^{\circ}\text{F}$  to about  $1600^{\circ}\text{F}$  for a first preselected period, about one hour, followed by a heat treatment in the range of about  $1350^{\circ}\text{F}$  to about  $1450^{\circ}\text{F}$  for a second preselected period, about eight hours, followed by a heat treatment in the range of about  $1100^{\circ}\text{F}$  to about  $1200^{\circ}\text{F}$  for a third preselected period, about four hours. In a more preferred embodiment, in order to relieve welding stress and to age the article, the article should be heat treated at about  $1550^{\circ}\text{F} \pm 25^{\circ}\text{F}$  for about one hour, followed by a heat treatment at about  $1425^{\circ}\text{F} \pm 25^{\circ}\text{F}$  for about eight hours, followed by a heat treatment at about  $1150^{\circ}\text{F} \pm 25^{\circ}\text{F}$  for about four hours.

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#### REMARKS

This preliminary amendment is being filed to correct errors discovered in review of the specification. Generally, the specification has been amended to incorporate claim language into the specification included in the claims, but not included in the specification. In addition, obvious errors have been corrected as discussed. No new matter is incorporated as a result of the amendments. In addition, new claims have been added, claiming subject matter disclosed in the original specification, but not claimed.

Claim 11 has been amended to correct claim dependency, as the heat treatment is for Incoloy 903.